

I claim:

1. A disposable EKG precordial pad comprising:

a pad body for conductive attachment to a patient's torso, with a first and a second surface, with a plurality of electrodes for contact with a patient, and with an adhesive surface on said body surface for contact with said patient's skin; and

a positioning device for use with a patient for orienting and positioning said pad body for correct positioning on said patient.
2. The disposable EKG precordial pad of claim 1 which further includes electrodes which are embedded in said pad body but which extend from said pad body before application, for electrical connection to the patient's torso.
3. The disposable EKG precordial pad of claim 2 which further includes a data transmitting module, for sending a plurality of signals from said embedded electrodes to an EKG machine.
4. The disposable EKG precordial pad of claim 1 which further includes a temperature sensor for sensing the temperature of said patient's skin, and for sending temperature information to said EKG machine.

5. The precordial pad of claim 1 in which the data transmitting module is a wireless transmitter.
6. The precordial pad of claim 1 in which the data-transmitting module is a wire cable with individual wires.
7. The disposable EKG precordial pad of claim 1, in which said plurality of electrodes includes one or more micro-transmitters for sending a signal from said electrode.
8. The disposable EKG precordial pad of claim 1 which further includes a circuit layer which is located between said first and said second layer, and which includes electronic connections between said electrodes and said data transmitting module.
9. The disposable EKG precordial pad of claim 8 in which said circuit layer is comprised of an insulating sheet on which is placed electrical connections in the form of conductive pathways.
10. The disposable EKG precordial pad of claim 9 in which said conductive pathways are metallic ink circuitry.

11. The precordial pad of claim 1 which includes an adhesive cover, which is removable for exposing said adhesive surface before use.

12. The precordial pad of claim 1 in which said electrodes include an electrode extension device, for causing said electrodes to extend beyond said adhesive surface when said adhesive cover is removed.

13. The precordial pad of claim 12 in which said electrode extension device is a biased member mounted between said electrode and said pad, which is held in biased position by said adhesive cover, and which moves said electrode away from said pad when said adhesive cover is removed.

14. The precordial pad of claim 12 in which said electrode extension device is a spring.

15. The precordial pad of claim 12 in which said electrode extension device member is a foam structure.

16. The precordial pad of claim 1 in which said electrode is packaged under said adhesive cover with a layer of transmitting gel, so that when said adhesive cover is removed, said transmitting gel and said embedded electrodes are configured to be exposed.

17. The precordial pad of claim 1 in which said thermometer sensor is a low reading thermometer sensor.
18. The precordial pad of claim 1 that further comprises six precordial electrodes in a predetermined geometry.
19. The precordial pad of claim 18 which further includes connection points for attachment of limb electrodes.
20. The precordial pad of claim 19 which further includes connection points for attachment of 4 limb electrodes at the user's discretion.
21. The precordial pad of claim 1 that further comprises six torso electrodes and 4 limb electrodes built into a single precordial pad.
22. The precordial pad of claim 18 which further includes two additional electrodes for right heart monitoring.

23. The precordial pad of claim 1 in which said embedded electrodes each have a micro-transmitter for wireless transmission of a signal to said data transmitting module.
24. The precordial pad of claim 1 in which said signal export module further includes a temperature display for indicating the patient's body temperature.
25. The precordial pad of claim 1 in which the signal export module is a wireless transmitter.
26. The precordial pad of claim 1 in which the data-transmitting module is a wire harness for connection to an EKG machine.
27. The precordial pad of claim 1 that further includes a low temperature window for displaying patient temperature information.
28. The precordial pad of claim 1 in which said pad further includes capability to connect to non-EKG devices, including defibrillators, real time heart monitors, and external pacemakers.

29. An EKG recording accessory system, which comprises:

a selection of disposable precordial pads in different sizes, said precordial pads with a plurality electrodes, and with attached positioning devices, for use in accurately positioning said pad;

a universal adaptor/receiver which is compatible for connection to all EKG recording and monitoring machines, for receiving data from said electrodes and transferring data to an EKG machine and said precordial pad.

30. The EKG recording system of claim 29 in which said universal adaptor/receiver further includes capability to connect to non-EKG devices, including defibrillators, real time heart monitors, and external pacemakers.

31. The EKG recording accessory system of claim 29, in which said precordial pads of said system further include a temperature sensor in a pad body for measuring said patient's skin temperature.

32. The EKG recording accessory system of claim 29, in which said universal adaptor/receiver of said system further includes a temperature reading window.

33. The EKG recording accessory system of claim 29 in which said universal adaptor/receiver of said system further includes a switch to select between wireless and hardwired operation.

34. The EKG recording accessory system of claim 29 in which said disposable precordial pads of said system comprise:

a pad body for conductive attachment to a patient's torso, with a first and a second surface, with an adhesive surface on said body surface for contact with said patient's skin;

a plurality of embedded electrodes in said pad body which extends from said pad body for electrical connection to the patient's torso;

a data-transmitting module, for sending a plurality of signal from said embedded electrodes to an EKG machine;

a temperature sensor for sensing the temperature of said patient's skin, and for sending temperature information to said EKG machine.

35. The EKG recording accessory system of claim 34 in which said data transmitting module is a wireless transmitter.

36. The EKG recording accessory system of claim 34 in which said data transmitting module is a wire cable with individual wires.

37. The EKG recording accessory system of claim 34 in which said plurality of electrodes includes one or more micro-transmitters for sending a signal from said electrode.

38. The EKG recording accessory system of claim 34 in which said disposable precordial pad further includes a circuit layer which is located between said first and said second layer, and which includes electronic connections between said electrodes and said data transmitting module.

39. The EKG recording accessory system of claim 38 in which said circuit layer is comprised of is comprised of an insulating sheet on which is placed electrical connections in the form of conductive pathways.

40. The EKG recording accessory system of claim 39 in which said conductive pathways are in the form of metallic ink circuitry.

41. The EKG recording accessory system of claim 34 in which said disposable precordial pads of the system further include an adhesive cover, which is removable for exposing said adhesive surface before use.

42. The EKG recording accessory system of claim 41 in which said embedded electrodes of said disposable precordial pads of the system include an electrode extension device, for causing said electrodes to extend beyond said adhesive surface when said adhesive cover is removed.

43. The precordial pad of claim 42 in which said electrode extension device is a biased member mounted between said embedded electrode and said pad, which is held in biased position by said adhesive cover, and which moves said electrode away from said pad when said adhesive cover is removed.

44. The EKG recording accessory system of claim 43 in which said electrode extension device is a spring or spring like device.

45. The EKG recording accessory system of claim 44 in which said electrode extension device member is a foam structure.

46. The EKG recording accessory system of claim 43 in which said embedded electrode is packaged under said adhesive cover with a layer of transmitting gel, in which said transmitting gel and said embedded electrodes are exposed when said adhesive cover is removed.

47. The EKG recording accessory system of claim 34 which said disposable precordial pads of the system further includes six embedded electrodes in a predetermined geometry.

48. The EKG recording accessory system of claim 47 in which said disposable precordial pads of the system further includes 4 connection points for attachment of limb electrodes.

49. The EKG recording accessory system of claim 48 in which said disposable precordial pads of the system further includes 2 right heart electrodes.

50. The EKG recording accessory system of claim 34 in which said embedded electrodes in said disposable precordial pads of the system each have a micro-transmitter for wireless transmission of a signal to said data transmitting module.

51. The EKG recording accessory system of claim 34 in which said universal adaptor/receiver for an EKG recording and monitoring system further comprises an EKG machine interface, to which wire leads from any brand of EKG may be attached, and a precordial pad interface, to which a single multi strand cable from said disposable precordial pads of the system may be attached.

52. The EKG recording accessory system of claim 51 in which said universal adaptor/receiver further comprises a receiver for receiving data from the micro-transmitter and transferring said data to the EKG recorder.

53. The EKG recording accessory system of claim 34 in which said universal adaptor/receiver further comprises a display to indicate body temperature.

54. The EKG recording accessory system of claim 34, in which said universal adaptor/receiver further includes a selection means to select between wired or wireless reception of signals

55. The EKG recording accessory system of claim 34 in which said universal adaptor/receiver further includes an EKG machine selector function, by which a specific EKG machine may be selected for interface with said data from said disposable precordial pads.